IN THE CLAIMS

Kindly amend the claims, without prejudice, without admission, without surrender of subject matter, and without any intention of creating any estoppel as to equivalents, as follows:

1. (Currently Amended) A method for manufacturing a belt structure comprising the steps of:

providing tapes made of resin surrounding a fibrous matrix;

applying CD oriented tapes to the surface of a mandrel;

applying MD oriented tapes over the CD tapes;

applying pressure and heat to the mandrel containing the CD and MD tapes so to melt the resin and encapsulate the fibrous matrix; and

treating the belt structure thus obtained to set; and

grinding at least a surface of the belt structure to a desired caliper.

- 2. (Original) The method claimed in claim 1, wherein the resin is thermoplastic and is caused to thermoset during the step of treating the belt structure.
 - 3. (Cancelled).
- 4. (Original) The method claimed in claim 1, further comprising the step of forming grooves or blind drilled holes on a surface of the belt structure.
- 5. (Original) The method claimed in claim 1, wherein pressure is applied by wrapping a shrinkable film around the mandrel containing the CD and MD tapes.
- 6. (Original) The method claimed in claim 1, wherein the resin is a solid thermoplastic elastomeric resin containing irradiation activated cross linking compounds.
- 7. (Original) The method claimed in claim 1, wherein radiation energy is applied to thermoset the resin.

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- 8. (Original) The method claimed in claim 1 further comprising the step of cooling the resin-encapsulated matrix to solidify the resin, after the heating step.
- 9. (Original) The method claimed in claim 1, wherein some or all of the tapes comprise rubber.
- 10. (Original) The method claimed in claim 1 further comprising the step of repairing defects on the belt structure.
- 11. (Original) The method claimed in claim 1, wherein the fibrous matrix provides reinforcement and includes one of continuous fiber filaments, woven tapes, and knitted tapes with continuous reinforcing threads.
- 12. (Original) The method claimed in claim 1, wherein said MD tapes are applied in a spiral fashion.
- 13. (Original) The method claimed in claim 1, wherein the order of layering the MD and CD tapes is reversed.
- 14. (Original) The method claimed in claim 1, wherein at least one resin layer is applied to the mandrel surface prior to applying the MD and CD tapes.
- 15. (Original) The method claimed in claim 1, wherein at least one resin layer is applied over the MD and CD tapes after the tapes are in place.
- 16. (Original) The method claimed in claim 1, wherein at least one resin layer is applied between the MD and CD tapes but not fully cured.
- 17. (Original) The method claimed in claim 1, wherein the belt structure is one used as a shoe press belt for use in shoe calenders.

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18. (Currently Amended) A belt structure made in a manner comprising the steps of: providing tapes made of resin surrounding a fibrous matrix; applying CD oriented tapes to the surface of a mandrel;

applying pressure and heat to the mandrel containing the CD and MD tapes so to melt the resin and encapsulate the fibrous matrix;—and

treating the belt structure thus obtained to cause a jelling of the resin-; and grinding at least a surface of the belt structure to a desired caliper.

applying MD oriented tapes over the CD tapes;

- 19. (Original) The belt structure claimed in claim 18, wherein the resin is thermoplastic and is caused to thermoset during the step of treating the belt structure.
 - 20. (Cancelled).
- 21. (Original) The belt structure claimed in claim 18, further comprising the step of forming grooves or blind drilled holes on a surface of the belt structure.
- 22. (Original) The belt structure claimed in claim 18, wherein pressure is applied by wrapping a shrinkable film around the mandrel containing the CD and MD tapes.
- 23. (Original) The belt structure claimed in claim 18, wherein the resin is a solid thermoplastic elastomeric resin containing irradiation activated cross linking compounds.
- 24. (Original) The belt structure claimed in claim 18, wherein radiation energy is applied to thermoset the resin.
- 25. (Original) The belt structure claimed in claim 18, further comprising the step of cooling the resin-encapsulated matrix to solidify the resin, after the heating step.
- 26. (Original) The belt structure claimed in claim 18, wherein some or all of the tapes comprise rubber.

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- 27. (Original) The belt structure claimed in claim 18, further comprising the step of repairing defects on the belt structure.
- 28. (Original) The belt structure claimed in claim 18, wherein the fibrous matrix provides reinforcement and includes one of continuous fiber filaments, woven tapes, and knitted tapes with continuous reinforcing threads.
- 29. (Original) The belt structure claimed in claim 18, wherein said MD tapes are applied in a spiral fashion.
- 30. (Original) The belt structure claimed in claim 18, wherein the order of layering the MD and CD tapes is reversed.
- 31. (Original) The belt structure claimed in claim 18, wherein at least one resin layer is applied to the mandrel surface prior to applying the MD and CD tapes.
- 32. (Original) The belt structure claimed in claim 18, wherein at least one resin layer is applied over the MD and CD tapes after the tapes are in place.
- 33. (Original) The belt structure claimed in claim 18, wherein at least one resin layer is applied between the MD and CD tapes but not fully cured.
- 34. (Original) The belt structure claimed in claim 18, wherein the belt structure is a shoe press belt.

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